



PUBLIC NOTICE

File Number: NRS 14.302

Pursuant to Chapter 0400-4-7 of the Department's rules, the proposed activity described below has been submitted for approval under an Aquatic Resource Alteration Permit and §401 Water Quality Certification. This notice is intended to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. No decision has been made whether to issue or deny this application.

APPLICANT: C and H Limited Partnership
c/o Matt Wilder
1709 Old Hillsboro Road
Franklin, TN 37069
615-498-7568

LOCATION: Tumbling Creek, Bucksnot Trail Farm, Humphreys County, McEwen, TN
Latitude: 35.972306 Longitude: -87.627972

PROJECT DESCRIPTION: The applicant proposes to install 10 riprap jetties and 203 linear feet of riprap at two separate locations along Tumbling Creek to halt streambank retreat and prevent further erosion. This application is in conjunction with an EQIP grant with the NRCS.

IMPACTS:

Site #1- Tumbling Creek

340 linear feet of stream with 6 riprap rock jetties that extend from the top of the bank down into stream approximately 1/3 of the width of the stream. Jetties point in the upstream direction. The top of the bank will be planted with bare root seedlings.

Site #2- Tumbling Creek

353 linear feet of stream work with 4 riprap rock jetties that extend from the top of the bank down into the stream approximately 1/3 of the width of the stream. Jetties point in the upstream direction. This activity is in connection with 203 linear feet of stream bank riprap along the outside bend of the right descending bank. The top of the bank will be planted with bare root seedlings.

DEGRADATION: In accordance with the Tennessee Antidegradation Statement (Rule 0400-40-03-.06), the division has determined that the proposed activities will result in degradation to water quality.

WATERSHED / WATERBODY DESCRIPTION: The Lower Duck River Watershed is located in Middle Tennessee and includes parts of Dickson, Giles, Hickman, Humphreys, Lawrence,

Lewis, Maury, Perry and Williamson counties. It drains approximately 1,548 square miles and empties to the Tennessee Western Valley Watershed. There are 81 known rare plant and animal species in the Lower Duck River Watershed. For more information on this watershed please visit the division's website at <http://www.tn.gov/environment/water/watersheds/lower-duck-river.shtml> .

Stream Name / ID #: Tumbling Creek (TN06040003060_1000)

Ecoregion: 71f Western Highland Rim

Stream Dimension:

Channel bottom width	15-30' wide
Chanel top width	30' wide
Water depth	0.5-4' deep
Bank height	4-6' deep

Substrate: Rocky with cobbles and some gravel

Designated Use	Use Support	Causes
Fish and aquatic life	Fully supporting	
Recreation	Fully Assessed	
Industrial water supply	Fully supporting	
Irrigation	Fully supporting	
Livestock watering & wildlife	Fully supporting	

PERMIT COORDINATOR: Vena Jones

FACTORS CONSIDERED: In deciding whether to issue or deny a permit, the department will consider all comments of record and the requirements of applicable federal and state laws. In making this decision, a determination will be made regarding the lost value of the resource compared to the value of any proposed mitigation. The department shall consider practicable alternatives to the alteration. The department shall also consider loss of waters or habitat, diminishment in biological diversity, cumulative or secondary impacts to the water resource, and adverse impact to unique, high quality, or impaired waters.

COMMENTING: Persons wishing to comment on the proposal are invited to submit written comments to the department. Written comments must be received within **thirty days of the date that this notice is posted**. Comments will become part of the record and will be considered in the final decision. The applicant's name and permit number should be referenced. Send all written comments to the department's address listed below and to the attention of the permit coordinator.

PUBLIC HEARING: Interested persons may request in writing that the department hold a public hearing on this application. The request must be filed within the comment period, indicate the interest of the person requesting it, the reasons that the hearing is warranted, and the water quality issues being raised. When there is sufficient public interest in water quality issues, the department will hold a public hearing. Send all public hearing request to the department's address listed below and to the attention of the permit coordinator.

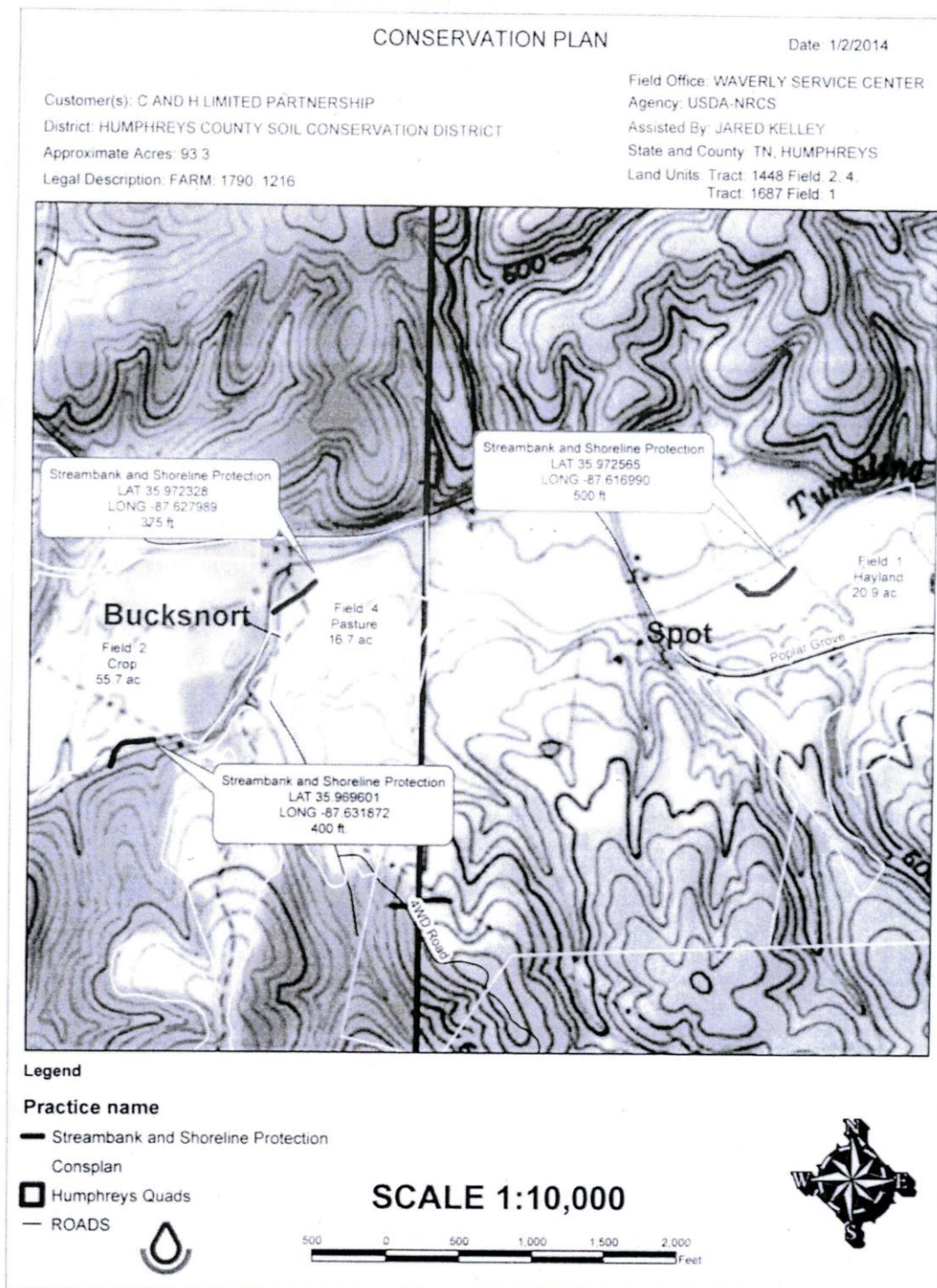
APPEAL: A permit appeal may be filed, pursuant to T.C.A. §§ 69-3-105(i) and Rule 0400-40-05, by the permit applicant or by any aggrieved person who participated in the public comment

period announced by this notice. This petition must be filed within THIRTY (30) DAYS after public notice of the issuance of the permit. The petition must specify what provisions are being appealed and the basis for the appeal. It should be addressed to the technical secretary of the Tennessee Board of Water Quality, Oil and Gas at the following address: Tisha Calabrese Benton, Director, Division of Water Resources, William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Ave, 11th floor, Nashville, TN 37243. Any hearing would be in accordance with T.C.A. §§69-3-110 and 4-5-301 et seq.

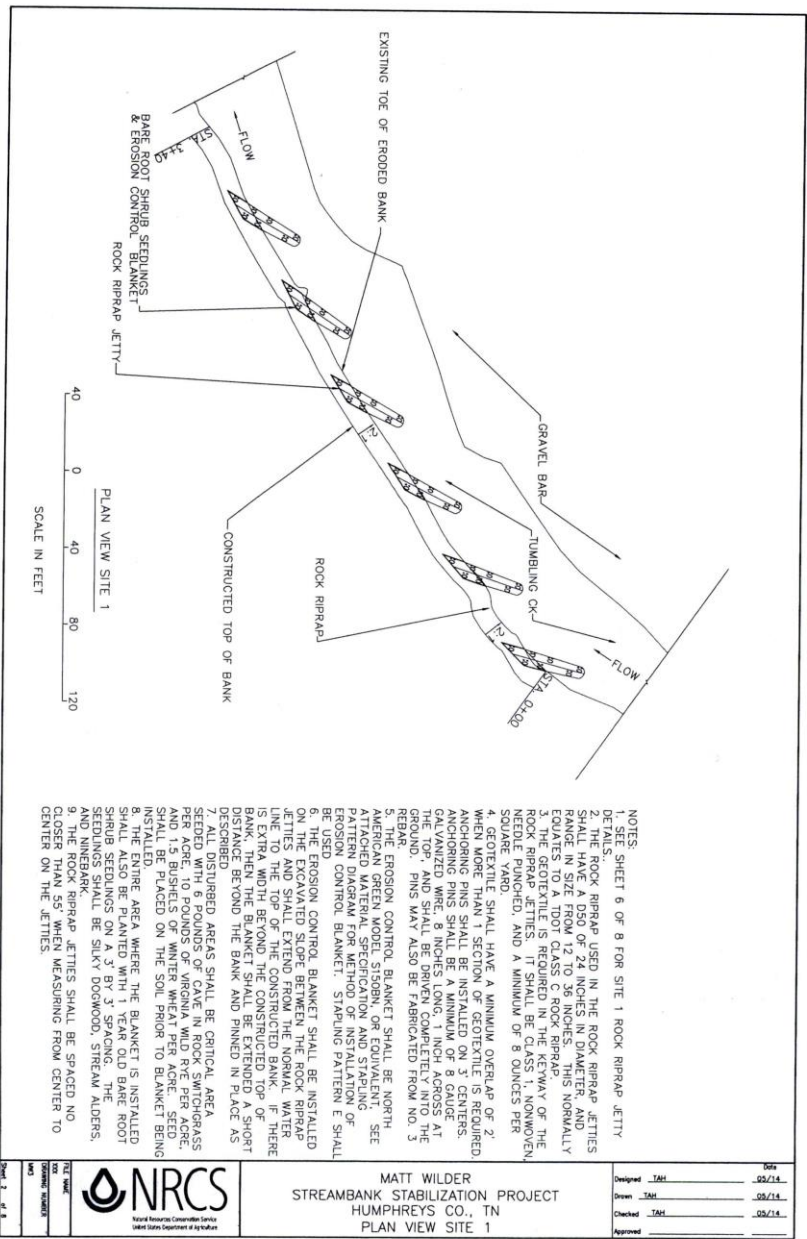
FILE REVIEW: The permit application, supporting documentation including detailed plans and maps, and related comments are available at the department's address (listed below) for review and/or copying.

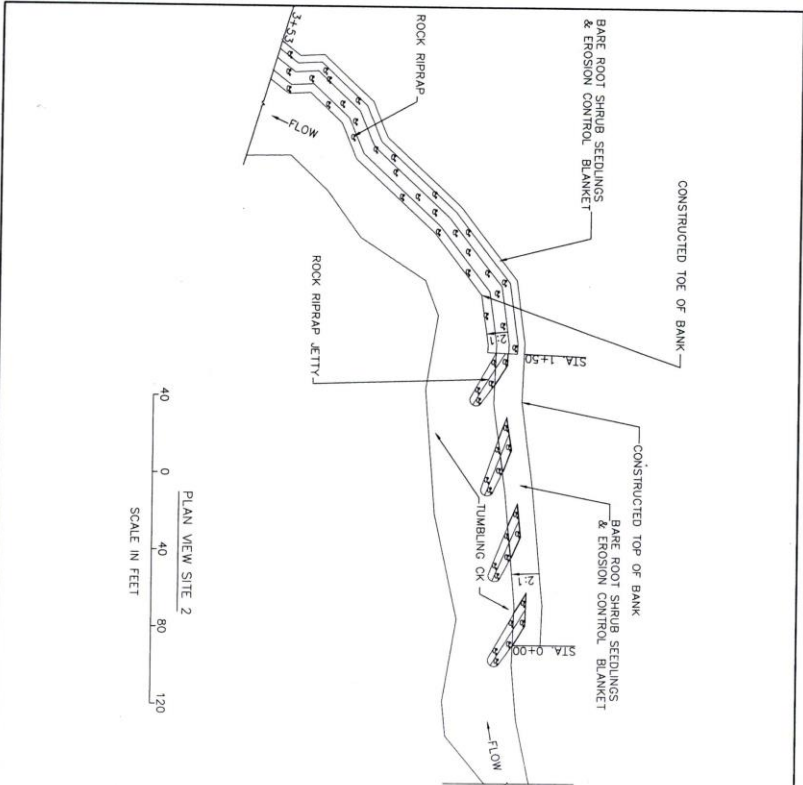
Tennessee Department of Environment & Conservation
Division of Water Resources, Natural Resources Unit
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 11th Floor
Nashville, Tennessee 37243

Location/Topographic Map



Site Designs





- NOTES:
- SEE SHEET 7 OF 8 FOR ROCK RIPRAP JETTY DETAILS FOR SITE 2.
 - SEE SHEET 5 OF 8 FOR ROCK RIPRAP RETENTION DETAILS.
 - THE ROCK RIPRAP IN THE ROCK RIPRAP JETTES SHALL HAVE A DO OF 24 INCHES IN DIAMETER, AND RANGE IN SIZE FROM 12 TO 24 INCHES IN DIAMETER, AND RANGE IN TO A TDOT CLASS C ROCK RIPRAP OR EQUIVALENT HANDPOCKED ROCK FROM SHOT ROCK STOCKPILES.
 - THE ROCK RIPRAP IN THE ROCK RIPRAP RETENTION RANGE SHALL HAVE A DO OF 12 INCHES IN DIAMETER, AND RANGE IN SIZE FROM 6 TO 12 INCHES IN DIAMETER, AND EQUIVALENTS TO A TDOT CLASS B ROCK RIPRAP.
 - THE MAXIMUM SPACING FOR THE ROCK RIPRAP JETTES SHALL BE 45 FEET WHEN MEASURED FROM CENTERLINE TO CENTERLINE OF EACH ROCK RIPRAP JETTY.
 - THE GEOTEXTILE (REINFORCED) UNDER THE ROCK RIPRAP JETTY KEYWAY, AND UNDER THE ENTIRE ROCK RIPRAP RETENTION, IT SHALL BE CLASS 1, NONWOVEN, NEEDLE PUNCHED, AND A MINIMUM OF 8 OUNCES PER SQUARE YARD.
 - GEOTEXTILE SHALL HAVE A MINIMUM OVERLAP OF 2" WHEN MORE THAN 1 SECTION OF GEOTEXTILE IS REQUIRED. ANCHORING PINS SHALL BE INSTALLED ON 3' CENTERS. GALVANIZED WIRE, 8 INCHES LONG, 1 INCH ACROSS AT THE TOP AND BOTTOM, SHALL BE BENT COMPLETELY INTO THE GROUND. PINS MAY ALSO BE FABRICATED FROM NO. 3 REBAR.
 - THE EROSION CONTROL BLANKET SHALL BE NORTH AMERICAN GREEN MODEL S150BN, OR EQUIVALENT. SEE SHEET 7 OF 8 FOR EROSION CONTROL BLANKET STAPLING PATTERN DIAGRAM FOR METHOD OF INSTALLATION OF EROSION CONTROL BLANKET. STAPLING PATTERN E SHALL BE USED ON THE EXCAVATED SLOPE BETWEEN THE ROCK RIPRAP JETTES AND ALONG THE ROCK RIPRAP RETENTION. IT SHALL EXTEND FROM THE NORMAL WATERLINE TO THE TOP OF THE CONSTRUCTED BANK, OR FROM THE TOE OF THE ROCK RIPRAP RETENTION TO THE TOP OF THE CONSTRUCTED BANK. IF THERE IS EXTRA WIDTH BEYOND THE ROCK RIPRAP RETENTION, THE BLANKET SHALL BE EXTENDED A SHORT DISTANCE BEYOND THE BANK AND PINNED IN PLACE AS DESCRIBED.
 - ALL DISTURBED AREAS SHALL BE CRITICAL AREA SEEDING WITH 6 POUNDS OF CAVE IN ROCK SWITCHGRASS SEED PER ACRE, 1.5 POUNDS OF WINTER WHEAT PER ACRE, AND 1.5 BUSHETS OF WINTER WHEAT PER ACRE. SEED SHALL BE PLACED ON THE SOIL PRIOR TO BLANKET BEING INSTALLED.
 - THE CRITICAL AREA WHERE THE BLANKET IS INSTALLED SHALL ALSO BE PLANTED WITH SEEDING. THE SEEDING SHALL BE SILKY DOGWOOD, STREAM ALDER, AND NINEBARK SEEDLINGS.

<p>NRCS Natural Resources Conservation Service United States Department of Agriculture</p>	<p>MATT WILDER STREAMBANK STABILIZATION PROJECT HUMPHREYS CO., TN PLAN VIEW SITE 2</p>		<p>Designed: <u>TAH</u> <u>02/14</u></p> <p>Drawn: <u>TAH</u> <u>05/14</u></p> <p>Checked: <u>TAH</u> <u>05/14</u></p> <p>Approved: _____</p>
	<p>Scale: 1" = 40'</p>		
	<p>Sheet 3 of 8</p>		
	<p>DATE: 02/14</p>		

